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A REPORT TO UNEP ON STRATOSPHERIC AND OZONE RESEARCH ACTIVITIES IN CANADA

Summary

The report on stratospheric ozone research in Canada provides a brief background, a survey of current activities and future plans. The Atmospheric Environment Service operates a network of five stations with Dobson instruments and ozone sondes, publishes the World Ozone Data on behalf of WMO and co-ordinates Canadian research activities. A new total ozone grating spectrometer is now in the critical stages of commercial production. A major effort is Project Stratoprobe designed to make simultaneous measurements of key stratospheric trace gases. In its third year in 1976 there were two ballon flights at 35 km carrying 14 experiments to measure both the nitrogen and chlorine chemistry.

Canada plans to continue with these activities and to participate in international programmes of monitoring and research and co-ordinated intercomparisons.

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